

SSM&P Docket No.: YOR920010499US1

IBM Docket No.: 14710

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **METHOD OF CREATING HIGH-QUALITY RELAXED SIGE-ON-INSULATOR FOR STRAINED Si CMOS APPLICATIONS**

the specification of which (check one)

☐ is attached hereto.☒ was filed on January 23, 2002 as United States Application Number 10/055,138

or PCT International Application Number

and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application, having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

(Application Number) (Filing Date)

(Application Number) (Filing Date)

I hereby claim the benefit under 35 U.S.C. §120 of any United States Application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States, or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information material to the patentability of this application as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) (Filing Date) (Status) (patented, pending, abandoned)

(Application Serial No.) (Filing Date) (Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

Manny W. Schecter (Reg. 31,722), Lauren C. Bruzzone (Reg. No. 35,802), Christopher A. Hughes (Reg. 26,914), Edward A. Pennington (Reg. 32,588), John E. Hoel (Reg. 26,279), Joseph C. Redmond, Jr. (Reg. 18,753), Stanley B. Green (Reg. No. 24,351), Douglas W. Cameron (Reg. No. 31,596), Stephen C. Kaufman (Reg. No. 29,551), Daniel P. Morris (Reg. No. 32,053), Louis J. Percello (Reg. No. 33,206), Robert M. Trepp (Reg. No. 25,933), Paul J. Otterstedt (Reg. No. 37,411) and Louis P. Herzberg (Reg. No. 41,500) and Marian Underweiser (Reg. No. 46,134), Marc A. Ehrlich (Reg. No. 39,966), Richard M. Ludwin (Reg. No. 33,020), Robert P. Tassinari, Jr. (Reg. No. 36,037), Gail H. Zarick (Reg. No. 43,303), Derek S. Jennings (Reg. No. 41,473) and Timothy M. Farrell (Reg. No. 37,321)

SSM&P Docket No.: YOR920010499US1
IBM Docket No.: 14710

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Send Correspondence to: Steven Fischman, Scully, Scott, Murphy & Presser

400 Garden City Plaza, Garden City, New York 11530

Direct Telephone Calls to: (name and telephone number) Steven Fischman, (516) 742-4343

Stephen W. Bedell

Full name of sole or first inventor



Inventor's Signature

April 3, 2003

Date

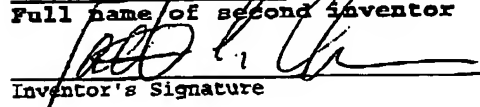
32 Nicole Drive, Wappingers Falls, NY 12590
Residence

United States of America
Citizenship

Same as Residence
Post Office Address

Jack Q. Chu

Full name of second inventor



Inventor's Signature

4-03-2003

Date

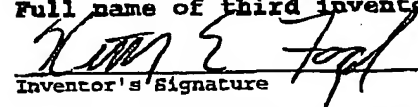
44 Shelbourne Lane, Manhasset Hills, NY 11040
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United States of America
Citizenship

Same as Residence
Post Office Address

Keith E. Fogel

Full name of third inventor



Inventor's Signature

4/3/2003

Date

4 Lucs Lane, Mohegan Lake, NY 10547
Residence

United States of America
Citizenship

Same as Residence
Post Office Address

SSM&P Docket No.: YOR920010499US1
IBM Docket No.: 14710

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Steven J. Koaster
Full name of fourth inventor

Inventor's Signature

Date

5 Iroquois Road, Ossining, NY 10562
Residence

United States of America
Citizenship

Same as Residence
Post Office Address

John Albrecht Ott
Full name of fifth inventor

John Albrecht Ott
Inventor's Signature

4-2-2003
Date

37 Linden Avenue, Greenwood Lake, NY 10925
Residence

United States of America
Citizenship

Same as Residence
Post Office Address

Devendra K. Sadana
Full name of sixth inventor

Devendra K. Sadana
Inventor's Signature

4-3-2003
Date

90 Sky Top Drive, Pleasantville, NY 10570
Residence

United States of America
Citizenship

Same as Residence
Post Office Address

SSM&P Docket No.: YOR920010499US1
IBI Docket No.: 14710

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Steven J. Koester

Full name of fourth inventor

Inventor's Signature

Date

9-3-03

5 Iroquois Road, Ossining, NY 10562
Residence

United States of America
Citizenship

Same as Residence
Post Office Address

John Albrecht Ott

Full name of fifth inventor

Inventor's Signature

Date

37 Linden Avenue, Greenwood Lake, NY 10925
Residence

United States of America
Citizenship

Same as Residence
Post Office Address

Devendra K. Sadana

Full name of sixth inventor

Inventor's Signature

Date

90 Sky Top Drive, Pleasantville, NY 10570
Residence

United States of America
Citizenship

Same as Residence
Post Office Address

Docket No.: YOR920010499US1 (14710)

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)
P08A/REV03

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

PATENTS ONLY

Tab settings → → → ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Stephen W. Bedell John Albrecht Ott
Jack O. Chu Devendra K. Sadana
Keith E. Fogel
Steven J. Koester

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: International Business Machines CorporationAddress: New Orchard RoadCity: Armonk State/Prov.: NYCountry: USA ZIP: 10504Additional name(s) & address(es) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 4/2/2003 and 4/3/2003

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 4/2/2003 and 4/3/2003

Patent Application No. Filing date

10/055,1381/23/2002

B. Patent No.(s)

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Steven FischmanRegistration No. 34,594Address: SCULLY, SCOTT, MURPHY & PRESSER400 Garden City PlazaCity: Garden City State/Prov.: NYCountry: USA ZIP: 115306. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):.....\$ 40.00☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

8. Deposit account number:

50-0510/IBM

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Leslie S. Sziv s, Reg. No. 39,394

Name of Person Signing



Signature

April 4, 2003

Date

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington D.C. 20231

IBM D cket No.: YOR920010499 US1
 SSMP: 14710

ASSIGNMENT

Whereas, we

Inventor and City	(1) Stephen W. Bedell County of Dutchess	City of Wappingers Falls and State of New York
and	(2) Jack O. Chu County of Nassau	City of Manhasset Hills and State of New York
and	(3) Keith E. Fogel County of Westchester	City of Mohegan Lake and State of New York
and	(4) Steven J. Koester County of Westchester	City of Ossining and State of New York
and	(5) John Albrecht Ott County of Orange	City of Greenwood Lake and State of New York
and	(6) Devendra K. Sadana County of Westchester	City of Pleasantville and State of New York

have invented certain improvements in

Title METHOD OF CREATING HIGH-QUALITY RELAXED SiGe-ON-INSULATOR
 FOR STRAINED SI CMOS APPLICATIONS

Dates That
 Inventors
 Signed the

and have executed, respectively, a United States patent application therefor on

(1)	4/3/2003	2003, and (2)	4-3-2003	2003, and
(3)	4/3/2003	2003, and (4)	4-3-2003	2003, and
(5)	4/2/2003	2003, and (6)	4/3/2003	2003.

Declaration

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

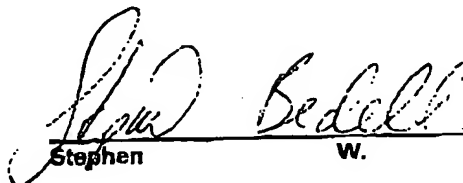
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the ab ve named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

IBM Docket No.: YOR920010499 US1
SSMP: 14710**ASSIGNMENT**

City

(1) Signed at Yorktown Heights
on 4/3/2003

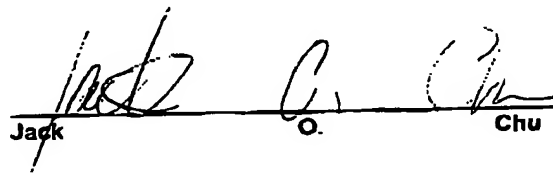
Date


Stephen W. Bedell signature
Bedell inventor

City

(2) Signed at Yorktown Heights
on 4-3-2003

Date


Jack O. Chu signature
Chu inventor

City

(3) Signed at Yorktown Heights
on 4/3/2003

Date

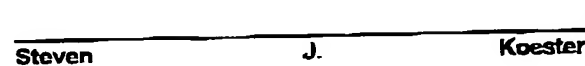

Keith E. Fogel signature
Fogel inventor

City

(4) Signed at

Date

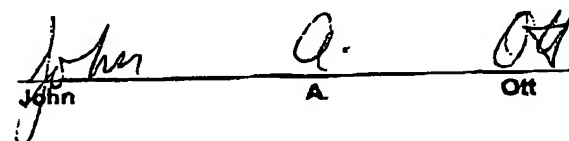
on


Steven J. Koester signature
Koester inventor

City

(5) Signed at Yorktown Hgts
on 4-2-2003

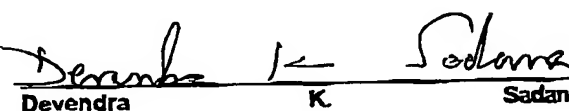
Date


John A. Ott signature
Ott inventor

City

(6) Signed at Yorktown Heights, NY
on 4-3-2003

Date


Devendra K. Sadana signature
Sadana inventor

IBM Document No.: YOR920010498 US1
SSMP: 14710

ASSIGNMENT

City (1) Signed at

Date on

Stephen W Bedell signature
Inventor

City (2) Signed at

Date on

Jack O. Chu signature
Inventor

City (3) Signed at

Date on

Keith E. Fogel signature
Inventor

City (4) Signed at Tampa, Florida

Date on 4-3-03

Steven J. Koester signature
Inventor

City (5) Signed at

Date on

John A. Ott signature
Inventor

City (6) Signed at

Date on

Devendra K. Sadana signature
Inventor

APR 02 2003 16:58 IBM ARLINGTON
APR 02 03 15:32 PR703 412 20 TO 915167424366
TO 00742073P.02/04
1.00

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Stephen W. Bedell, et al.

Examiner: Unassigned

Serial No: 10/055,138

Art Unit: 2811

Filed: January 23, 2002

Docket: YOR920010499US1 (14710)

For: METHOD OF CREATING
HIGH-QUALITY RELAXED
SiGe-ON-INSULATOR FOR STRAINED
Si CMOS APPLICATIONS

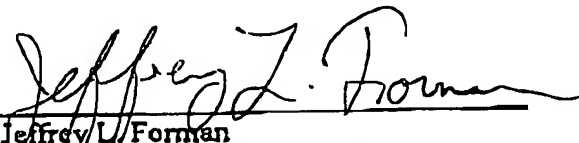
Dated: March 28, 2003

Director of the United States Patent and Trademark Office
Alexandria, Virginia 22313-1450**ASSENT OF ASSIGNEE TO CORRECTION
AND ADDITION OF INVENTORS**International Business Machines Corporation
New Orchard Road
Armonk, New York 10504**Assignment:**Recorded on January 23, 2002
Reel: 012541
Frame: 0896

Assignee hereby assents to the correction of inventorship filed herewith.

ASSIGNEE STATEMENT

A "STATEMENT UNDER 37 C.F.R. 3.73(b)" is attached.


Jeffrey L. Forman
Program Manager, Patent Office Liaison

APR 02 2003 16:50 IBM ARLINGTON

703 412 2000 TO 915167424366

P.04/04

LETTER OF AUTHORITY

I, **Gerald Rosenthal, Vice President, Intellectual Property and Licensing of International Business Machines Corporation (IBM), a New York corporation,** do hereby delegate the authority to approve and execute documents on behalf of IBM relating to proceedings in the Patent, Trademark Registration or Copyright Offices servicing any country or region of the world, or to related appeal proceedings, including, but not limited to: petitions; powers of Attorney; authorizations; verification; nominations of representatives; declarations; documents relating to maintenance and defense of the resulting industrial property rights; assignments of rights to apply for and acquire patents and trademark registrations; and evidence of such assignments; request for the registration of patents as available for licensing; reports of inventions and petitions for waiver of patent rights to any department or agency of the United States Government; and, assignments, licenses and other instruments confirmatory of Government rights in patents and inventions, to **Jeffrey L. Forman, Program Manager, Patent Office Liaison.**

Date:

Aug 4, 2000

Gerald Rosenthal
Vice-President, Intellectual Property & Licensing
International Business Machines Corporation

APR 02 2003 16:55 FR IBM ARLINGTON

703 412 2 TO 915167424366

P.03/04

PTO/SB/96 (2-98)

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STATEMENT UNDER 37 CFR 3.73(b)Applicant: Stephen W. Bedell, et al.Application No.: 10/055,138Filed: January 23, 2002Entitled: METHOD OF CREATING HIGH-QUALITY RELAXED SIG-ON-INSULATOR FOR STRAINED Si
CMOS APPLICATIONSInternational Business Machines Corporation, a corporation of New York

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 012541, Frame 0896, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

2 April 2003
DateJeffrey L. Forman
SignatureJeffrey L. Forman
Typed or printed nameProgram Manager, Patent Office Liaison
Title

YOR920010499US1

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.